

Water

Water resources are an integral part of the City's offered services. For that reason, the City has a long-standing plan for water resources. In short, the City's Water Plan incorporates the basic ideas of managing future demand, ensuring distribution, maintaining financial stability, meeting quality standards, and providing responsive customer service. The complete plan is detailed in the City's General Plan under the Environmental Management Element.

Major Water Projects

The FY 2007/2008 Recommended Budget includes 40 individual projects, only 2 of which are unfunded. In general, these projects are aimed at maintaining the infrastructure for storing and delivering water. Particular focus is being placed on water tanks.

Water Tanks. The recommended FY 2007/2008 Budget contains over \$13 million in infrastructure renovations for the City's potable water tanks over the 20-year planning period. The City's water system has

ten potable tanks, five of which have a 5 million gallon capacity each. The remaining five smaller tanks hold 0.5 million gallons each. Water tanks play an important part in the City's water supply and distribution system. Their main purpose is to provide a sufficient amount of water to equalize the daily demand on the water system and to provide for peak demands. They also provide emergency water back-up, fire protection, and allow air to escape from the water that might have been entrained as the water was pumped from a well.

Overall, the costs to maintain water tanks involve scheduled maintenance and operational procedures. Several projects are included that address this need. In addition, projects are included that specifically address the maintenance of the City's water tanks including refurbishing, cleaning, coating the interiors, and exterior painting.

Table VI, which is shown on the following page, presents the listing of the funded Water projects for FY 2007/2008. Table VII presents the unfunded Water projects. Project information sheets providing the details for each project appear on the following pages.

Table VI
FY 2007/2008
Water Projects -- Funded

Project #:	Description	Type	Project #:	Description	Type
806253	Water Main Development Costs (City Share)	Capital	825261	Moat Renovation of Mary/Carson and Wolfe/Evelyn Water Plants	Infrastructure
806351	Water Meters for New Developments	Capital	825301	Pressure Reducing Valve Replacement & Relocation for SCADA	Infrastructure
806401	Detector Checks & Backflow Prevention Devices - New Developments	Capital	825391	Wolfe/Evelyn Plant Mechanical Reconstruction	Infrastructure
824841	Installation of Climb Resistant Fencing at Reservoir Sites	Capital	825411	Hamilton Plant Emergency Generator & Mechanical Reconstruction	Infrastructure
825271	Well House Emergency Generator - Ortega Well	Capital	825421	Water Pressure Zone Three Expansion	Infrastructure
826910	H Street Water Line - 3rd to 8th Ave.	Capital	825431	Well Connections to Transmission Main	Infrastructure
826920	1st Ave - east of E Street Water Line Improvement	Capital	825451	City-wide Water Line Replacement	Infrastructure
826930	5th Avenue Water Line - E Street to H Street Improvement	Capital	825461	Interior Coating of Water Tanks	Infrastructure
806303	Water Pipes, Manholes, and Laterals Replacement	Infrastructure	825471	New Well Feasibility Study	Infrastructure
806453	Water Pump, Motor, and Engine Replacement	Infrastructure	825481	Renovation of Westmoor and Serra Wells	Infrastructure
815203	Replacement of Water/Sewer Supervisory Control System	Infrastructure	825491	Exterior Painting of Water Tanks	Infrastructure
824311	Refurbish Water Tanks at Wright Ave.	Infrastructure	825501	Wright Ave. Water Plant Mechanical Reconstruction	Infrastructure
824801	Roof Replacement of Water Plants	Infrastructure	826590	Rehabilitation of Two Water Wells (Schroeder and Raynor)	Infrastructure
825221	Central Water Plant Building Reconstruction	Infrastructure	826940	Mary Ave. Transmission Main	Infrastructure
825231	Cleaning of Water Tanks	Infrastructure	826950	Install Asphalt Pavement at Water Plants	Infrastructure
825241	Equipment Replacement at Six (6) Hetch-Hetchy Connections	Infrastructure	826960	Water Utility Master Plan	Infrastructure
825251	Mary/Carson Water Plant Mechanical Reconstructions	Infrastructure	827180	Automation of Water Meter Reading	Infrastructure
			819770	Utility Maintenance Management System	Special
			824281	Leak Detection Program	Special
			824291	Water Cost of Service Study	Special
			824811	Downtown Water Line Engineering Study	Special

Table VII
FY 2007/2008
Water Projects -- Unfunded

<u>Project #:</u>	<u>Description</u>	<u>Type</u>	<u>Project #:</u>	<u>Description</u>	<u>Type</u>
900110	Implement Recycled Water Master Plan/ /Lateral Extension	Capital	900276	Maude Avenue Recycled Water Connector	Capital

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